

AMENDMENTS TO THE CLAIMS

Please enter the following amendments without prejudice or disclaimer.

Please cancel claims 14 and 18 without prejudice or disclaimer.

This listing of claims will replace all prior versions, and listings, of claims in the application:

In the claims:

1. (currently amended): A non-toxic and non-corrosive ignition mixture ~~free of a dinol type explosive~~ wherein the mixture comprises
from 5 to 40 weight percent of a nitroester or nitramine ~~containing explosive in place of a dinol type explosive~~,
from 5 to 40 weight percent of tetrazene;
from 5 to ~~[[50%]]~~ 50 weight percent of an oxidizing agent, selected from the group consisting of oxides of copper, zinc, bismuth, iron, manganese, tin, vanadium or molybdenum; peroxides of zinc or calcium; saltpetre; basic nitrates of bismuth, tin or copper; and $\text{Cu}(\text{NH}_3)_2(\text{NO}_3)_2$;
from 1 to 20 weight percent of boron;
from 5 to 30 weight percent of a friction agent; ~~and~~
~~optionally from 0.1 to 5 weight percent of a bonding agent~~
wherein said mixture is free of dinol.
2. (previously presented): The mixture according to claim 1 wherein said explosive is selected from the group consisting of penthrite, hexanitromannite, nitrocellulose, hexogene, octogene, and tetryle.
3. (previously presented): The mixture according to claim 1 wherein said boron is amorphous boron with specific surface area of 5 to 25 m²/g.
4. (canceled)

5. (withdrawn): The mixture according to claim ~~[[1]]~~ 23 wherein the bonding agent is selected from polyvinyl alcohol and acacia gum.

6. (canceled)

7. (previously presented): The mixture according to claim 1 wherein the friction agent is ground glass.

8-10. (canceled)

11. (currently amended): The mixture according to claim 2 wherein said ~~[[high]]~~ explosive is penthrite.

12. (withdrawn): The mixture according to claim ~~[[2]]~~ 24 wherein said bonding agent is polyvinyl alcohol, or acacia gum.

13. (currently amended): The mixture according to claim ~~[[2]]~~ 24 wherein ~~nitrocellulose is simultaneously said explosive and~~ said bonding agent is nitrocellulose ~~and said mixture further comprises an organic solvent.~~

14. (canceled)

15. (previously presented): The mixture according to claim 2 wherein said boron is amorphous boron with specific surface area of 5 to 25 m²/g.

16. (previously presented): The mixture according to claim 2 wherein said friction agent is ground glass.

17. (currently amended): The mixture according to claim ~~[[1]]~~ 23 wherein ~~nitrocellulose is simultaneously said explosive and~~ said bonding agent is nitrocellulose ~~and said mixture further comprises an organic solvent.~~

18. (canceled)

19. (withdrawn): A primer cap for an ammunition cartridge filled with the mixture of claim 1.

20. (withdrawn): The primer cap of claim 19 wherein said ammunition cartridge is a central ignition cartridge.

21. (withdrawn): An ammunition cartridge comprising the primer cap of claim 19.

22. (withdrawn): An ammunition cartridge comprising the primer cap of claim 20.

23. (new) The mixture according to claim 1 further comprising from 0.1 to 5 weight percent of a bonding agent.

24. (new) The mixture according to claim 2 further comprising from 0.1 to 5 weight percent of a bonding agent.